

Classification Approaches

■ Decision Tree-based Methods

- Rule-based Methods
- Memory based reasoning
- Neural Networks
- Genetic Algorithms
- Bayesian Networks



Data Mining Tasks...

- Classification [Predictive]
- Clustering [Descriptive]
- Association Rule Discovery [Descriptive]
- Sequential Pattern Discovery [Descriptive]
- Regression [Predictive]
- Deviation Detection [Predictive]

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Chapter 2: Serial Algorithms for Classification

Outline

■ Decision Tree Classifiers

- What are Decision Trees
- Tree Induction
 - C4.5, SLIQ, SPRINT
- Tree Pruning

■ Other Classifiers

- Memory Based Reasoning
- Neural Net
- Bayesian

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